

## ABSTRACT

The invention provides condensed polycyclic  $\pi$ -conjugated organic materials and manufacturing methods for the materials. A metal reducing agent is reacted with a straight-chain, triple bond-containing hydrocarbon (aryl acetylene compound, phenyl acetylene compound), the hydrocarbon being a benzene ring with an organic silicon as a substituent, so as to allow an intramolecular reductive cyclization reaction to proceed between the silicon and the triple-bond carbon. The reaction produces condensed polycyclic  $\pi$ -conjugated organic materials of the invention. The invention provides light-emitting materials applicable for organic electroluminescent devices, condensed polycyclic  $\pi$ -conjugated organic materials applicable for charge transport materials, their intermediate products, and a manufacture method for condensed polycyclic  $\pi$ -conjugated organic materials.